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PTO/SB/05 (4/96)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 1280.00170

First Inventor or Application Identifier Jiann-Ching Guey et al.

Title Delay and Channel Estimation for Multi-*

Express Mail Label No. EM378838988US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 28]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
4. Oath or Declaration [Total Pages 2]
- a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

*** NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).****ADDRESS TO:**Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of
(when there is an assignee) ☐ Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 ☐ Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☐ * Small Entity ☐ Statement filed in prior application,
Statement(s) ☐ Status still proper and desired
(PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☐ Other: _____

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**17. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

| | | | | | |
|---------|---------------------------------------------|-----------|--------------|----------|--------------|
| Name | Dean A. Monco | | | | |
| | Wood, Phillips, VanSanten, Clark & Mortimer | | | | |
| Address | 500 West Madison Street, Suite 3800 | | | | |
| City | Chicago | State | Illinois | Zip Code | 60661-2511 |
| Country | U. S. A. | Telephone | 312.876-1800 | Fax | 312.876-2020 |

| | | | |
|-------------------|----------------------|-----------------------------------|---------------|
| Name (Print/Type) | Dean A. Monco | Registration No. (Attorney/Agent) | 30,091 |
| Signature | <i>Dean A. Monco</i> | Date | July 15, 2000 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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| FEE TRANSMITTAL for FY 2000 <i>Patent fees are subject to annual revision.</i> <i>Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</i> | | Complete if Known | |
| | | Application Number | Unassigned |
| | | Filing Date | Herewith |
| | | First Named Inventor | Jiann-Ching Guey et al. |
| | | Examiner Name | |
| | | Group / Art Unit | |
| TOTAL AMOUNT OF PAYMENT (\$) | | 1,104.00 | |
| | | Attorney Docket No. | 1280.00170 |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|
| METHOD OF PAYMENT (check one) | | FEE CALCULATION (continued) | |
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: 23-0785 Deposit Account Name: Wood, Phillips et al. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 | | 3. ADDITIONAL FEES Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Description Fee Paid | |
| 2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other | | 105 130 205 65 Surcharge - late filing fee or oath | |
| FEE CALCULATION | | 127 50 227 25 Surcharge - late provisional filing fee or cover sheet. | |
| 1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Description Fee Paid | | 139 130 139 130 Non-English specification | |
| 101 690 201 345 Utility filing fee \$690 | | 147 2,520 147 2,520 For filing a request for reexamination | |
| 106 310 206 155 Design filing fee | | 112 920* 112 920* Requesting publication of SIR prior to Examiner action | |
| 107 480 207 240 Plant filing fee | | 113 1,840* 113 1,840* Requesting publication of SIR after Examiner action | |
| 108 690 208 345 Reissue filing fee | | 115 110 215 55 Extension for reply within first month | |
| 114 150 214 75 Provisional filing fee | | 116 380 216 190 Extension for reply within second month | |
| SUBTOTAL (1) (\$) | | 117 870 217 435 Extension for reply within third month | |
| 690.00 | | 118 1,360 218 680 Extension for reply within fourth month | |
| 2. EXTRA CLAIM FEES | | 128 1,850 228 925 Extension for reply within fifth month | |
| Total Claims 30 -20** = 10 x \$18 = \$180 | | 119 300 219 150 Notice of Appeal | |
| Independent Claims 6 -3** = 3 x \$78 = \$234 | | 120 300 220 150 Filing a brief in support of an appeal | |
| Multiple Dependent --- = --- = --- | | 121 260 221 130 Request for oral hearing | |
| **or number previously paid, if greater; For Reissues, see below | | 138 1,510 138 1,510 Petition to institute a public use proceeding | |
| Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Description Fee Paid | | 140 110 240 55 Petition to revive - unavoidable | |
| 103 18 203 9 Claims in excess of 20 | | 141 1,210 241 605 Petition to revive - unintentional | |
| 102 78 202 39 Independent claims in excess of 3 | | 142 1,210 242 605 Utility issue fee (or reissue) | |
| 104 260 204 130 Multiple dependent claim, if not paid | | 143 430 243 215 Design issue fee | |
| 109 78 209 39 ** Reissue independent claims over original patent | | 144 580 244 290 Plant issue fee | |
| 110 18 210 9 ** Reissue claims in excess of 20 and over original patent | | 122 130 122 130 Petitions to the Commissioner | |
| SUBTOTAL (2) (\$) | | 123 50 123 50 Petitions related to provisional applications | |
| 414.00 | | 126 240 126 240 Submission of Information Disclosure Stmt | |
| | | 581 40 581 40 Recording each patent assignment per property (times number of properties) | |
| | | 146 690 246 345 Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| | | 149 690 249 345 For each additional invention to be examined (37 CFR § 1.129(b)) | |
| | | Other fee (specify) _____ | |
| | | Other fee (specify) _____ | |
| | | * Reduced by Basic Filing Fee Paid | |
| | | SUBTOTAL (3) (\$) | |

| | | | |
|---------------------|----------------------|-----------------------------------|--------------|
| SUBMITTED BY | | Complete (if applicable) | |
| Name (Print/Type) | Dean A. Monco | Registration No. (Attorney/Agent) | 30,091 |
| Signature | <i>Dean A. Monco</i> | Telephone | 312.876-1800 |
| | | Date | July 5, 2000 |

WARNING:

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